



FY 2008 Accomplishments

200-BC-1

This project is ahead of schedule. The treatability test for 200-BC-1 began and phases 1a, 1b, 1c, were completed. Highly contaminated soil was excavated, loaded into a container and disposed of at ERDF. The capability to down-blend soil to meet ERDF waste acceptance criteria as well as collecting worker dose data for excavation activities for all personnel associated with the process as well as evaluating factors that impact costs associated with excavation of the trenches was evaluated. Phase 3 and 4 were started with Direct Push Technology (DPT) of 16 7" holes in the B-53A trench and B-14 Crib.

Electrical Resistivity Characterization (ERC) correlation work was completed. This evaluates the potential applications of the high-resolution resistivity geophysical method to be correlated to specific mobile contaminants such as Technetium-99 and nitrate in the BC Cribs vadose zone.

200-BP-5

This project is on schedule with ten wells installed this last FY. An extra well was installed to characterize a perched water layer that was encountered. The BP-5 DQO and Workplan were submitted but, both are in the process of being updated to address EPA comments and are due this October.

100-FR-1, 100-FR-2

Most of the work in these two operable units has been completed. Milestone M-016-49 is almost complete. Many waste sites were interim closed out this last year. Documents and sites have continued to be looked at critically and approved once acceptable. SNF has been shipped to K area. Schedule for the completion of F area is expected before the end of September. A decision was made on the path forward for two outstanding waste sites. The work on one of them has already started.

Pasco Sanitary Landfill

Dates for the decision document and construction completion were set. A *Revised Final Work Plan for Additional Interim Actions (AIA) – Phase I* was submitted. This AIA work plan describes characterization and monitoring activities intended to address outstanding data gaps and data needs. A significant source-zone release event also was recognized in fall 2007. Soil vapor extraction and groundwater monitoring data collected during and after the release event highlighted the need to better understand remedial system effectiveness, and contaminant fate and transport.

The new data collection activities began with the drilling of new wells. During site inspections in late 2007, several areas of subsidence were noted on the Industrial Waste Zone A cap system. A series of focused investigation and monitoring activities to better address the nature, magnitude, and underlying cause(s) for the subsidence, began with surface geophysical work.

ERDF

Construction of the new landfill cells continued. An issue with rutting in the admix layer was discovered, EPA along with DOE and its contractor identified and agreed upon a reasonable path forward and implemented it in manner as to not impact the construction schedule.

Two Supplemental Environmental Projects were completed this year. The funds for these projects originated from penalties assessed by EPA at the Environmental Restoration Disposal Facility in early 2007.

The construction of a greenhouse and nursery facility was completed. This facility is a collaborative project involving the tribes, Washington State University and Hanford.

The other project consisted of purchasing two emergency response boats for the Benton County Sheriff's Office.

As a result of our efforts, we have seen positive changes at the Environmental Restoration Disposal Facility. New landfill compactors, with state of the art global positioning systems are being used, along with refined methods of disposal and compaction.

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